BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

MODIFIED ESTIMATION ESTIMATE

Sl No	Description of work	Unit		Nos	Dimenstions in m			Quantity	Estimated Cost= Rate in Rs.	2,00,00,000.00 Amount in Rs.
					L in m	B in m	D in m			
	GALLARY ESTIMATE									
1	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification.. (item 2.24 P.W.D. SR-2018-19)									
		Cum								
	For Galary									
				1	62.00	10.00	0.30	186.00		
							Total Quantity	186.00	69.00	12834.50
	Basic Rate	61.00								
	Area Weightage @ 8%	4.88								
	Total	65.88								
	TP-4.74%	69.00								
2	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. **In ordinary/soft rock without blasting upto 1.5 m depth** (KPWD SR 2021-22, Volume-II, Item No.1.5.1, Page No.6)									
		Cum								
	For Galary									
	Footings			16	3.60	3.60	2.80	580.61		
				16	3.20	3.20	2.80	458.75		
	Plinth Beam			16	7.30	0.60	0.60	42.05		
				2	62.00	0.60	0.60	44.64		
							Total Quantity	1126.05	226.00	254486.85
3	Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)									
		Cum								
	For Galary									
	Footings			16	3.30	3.30	0.15	26.14		
				16	2.90	2.90	0.15	20.18		
	Plinth Beam			16	7.30	0.80	0.15	14.02		
				2	62.00	0.50	0.15	9.30		
	for flogging concrete									
	Below Gallary			1	62.00	7.30	0.15	67.89		
	All Around the Gallary			1	62.00	1.00	0.15	9.30		
				2	7.50	1.00	0.15	2.25		
							Total Quantity	149.08		

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Sl No	Description of work	Unit		Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
					L in m	B in m	D in m			
							Qty Upto 125 %	108.10	6283.00	679192.30
							Qty Above 125 %	40.98	6273.14	257048.21
4	KSRB 2.8 Providing and filling in foundation with granite/trap broken metal of 100 MM and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour charges and with all lead and lift etc complete as per specification and the direction of the Engineer in charge I.No 6.4 Volume 2 SR 2021-22									
	For Galary	Cum								
	Footings			16	3.30	3.30	0.15	26.14		
	Below Gallary			16	2.90	2.90	0.15	20.18		
				1	62.00	6.300	0.15	58.59		
							Total Quantity	104.91	2806.00	294377.46
5	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 02-21-2021, Item No. 4.12)									
	For Galary	Cum								
	Footings			16	3.00	3.00	0.75	108.00		
				16	2.60	2.60	0.60	64.90		
							Total Quantity	172.90	7848.33	1356945.65
	Column Upto Plinth			16	0.60	0.60	2.50	14.40		
				16	0.60	0.60	2.50	14.40		
							Total Quantity	28.80	7848.33	226032.03
	For Galary									
	Column Above Plinth			16	0.60	0.60	4.80	27.65		
				16	0.60	0.60	0.75	4.32		
	cut off wall			1	62.00	0.20	0.75	9.30		
	cut off wall			1	62.00	0.20	0.75	9.30		
							Total Quantity	50.57	7848.33	396874.58
	Plinth Beam			16	7.60	0.60	0.60	43.78		
				2	62.00	0.45	0.60	33.48		
	Waist Beams			16	7.60	0.60	0.30	21.89		
	Beams			1	62.00	0.60	0.60	22.32		
	For Waist Slab			1	62.00	7.60	0.30	141.36		
	For Steps									
	For Landing			4	62.00	1.20	0.45	66.96		
	For Seating			5	62.00	0.50	0.45	34.88		
	For Sub Steps									
	For Landing	2		12	1.50	0.30	0.15	0.81		
		Cum								
							Total Quantity	365.47	7848.33	2868322.97
	Basic Rate	6938.11								
	Area Weightage @ 8%	555.05								
	Total	7493.16								
	Including TP-4.74%	7848.33								

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Sl No	Description of work	Unit		Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
					L in m	B in m	D in m			
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 550									
		Cum								
	Considering 175Kgs per Cum of Concrete			1	617.73		0.175	108.10		
							Total Quantity	108.10		
							Qty Upto 125 %	55.81	90769.00	5066044.81
							Qty Above 125 %	52.29	97667.05	5107085.97
7	KSRB 4-6.1 : Providing and removing a centering, shuttering, strutting, propping etc.., and removal of form work for a foundation footing bases of column for mass concrete including cost of all materials, labours, complete as per specificatons (Pg No 16-Item No 4.28@ P.W.D SR -2018-19)									
		sqm								
	Footings			16	12.00		0.75	144.00		
				16	10.40		0.60	99.84		
							Total Quantity	243.84	291.85	71164.10
	Basic Rate	258.00								
	Area Weightage @ 8%	20.64								
	Total	278.64								
	Including TP-4.74%	291.85								
8	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)									
		sqm								
	Column Upto Plinth			16	2.40		2.50	96.00		
				16	2.40		2.50	96.00		
	Column Above Plinth			16	2.40		4.80	184.32		
				16	2.40		0.75	28.80		
				2	62.00		0.75	93.00		
				2	62.00		0.75	93.00		
							Total Quantity	591.12	515.82	304913.62
	Basic Rate	456.00								
	Area Weightage @ 8%	36.48								
	Total	492.48								
	Including TP-4.74%	515.82								
9	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)									
		sqm								
	Plinth Beam			32	7.60		0.60	145.92		
				4	62.00		0.60	148.80		
	Beams			2	62.00		0.60	74.40		
							Total Quantity	369.12	330.31	121923.31
	Basic Rate	292.00								
	Area Weightage @ 8%	23.36								
	Total	315.36								
	Including TP-4.74%	330.31								
10	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal form work for flat surface such as suspended floors, roofs, landings, balconies and like, thickness upto 200mm including cost of materials, labhour complete as per specification.(P.No.16,I.No.4.29.2)									
		sqm								
	For Landing			4	62.00		0.45	111.60		
	For Seating			5	62.00		0.45	139.50		
	For Landing			24	1.50		0.15	5.40		
							Total Quantity	256.50	452.48	116060.30
	Basic Rate	400.00								
	Area Weightage @ 8%	32.00								
	Total	432.00								
	Including TP-4.74%	452.48								

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No	Description of work	Unit		Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
11	KSRB 4-6.11 :Providing and removing cent work for Stairs (excluding landing) except per specificaiton. Specification No. KBS 4.6			utting, propping etc., and removal of form ding cost of all materials, labour complete as					
		sqm							
	Waist Beams For Waist Slab								
			1	7.60		0.30	72.96		
			1	62.00	7.60		471.20		
	Basic Rate	520.00					Total Quantity	544.16	588.22	320085.71
	Area Weightage @ 8%	41.60							
	Total	561.60							
	Including TP-4.74%	588.22							
							Construction Total Amount		1,74,53,392.37
							Miscellaneous and unforeseen charges etc.L.S		3,212.63
							Grand Total		1,74,56,605.00

Certificate:
1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2018-19

Assistant Engineer
Ward No 17

Asst Executive Engineer
Yashwanthapura Sub Division

Executive Engineer
RR Nagar Division

TECHNICAL SANCTION

Rs: 1,74,53,392/- (Rs one crore seventy four lakhs fifty three thousand three hundred ninety two only) is accorded under the head: P- 3853

By CE(R.R.N.,) P. N. 34-35

Registered as CE (R.R.N No: 103/22-23 subject to conditions contained in enclosed memo No: 103/22-23 Dat., 20/09/22

TA,

CE (R.R.N.)

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